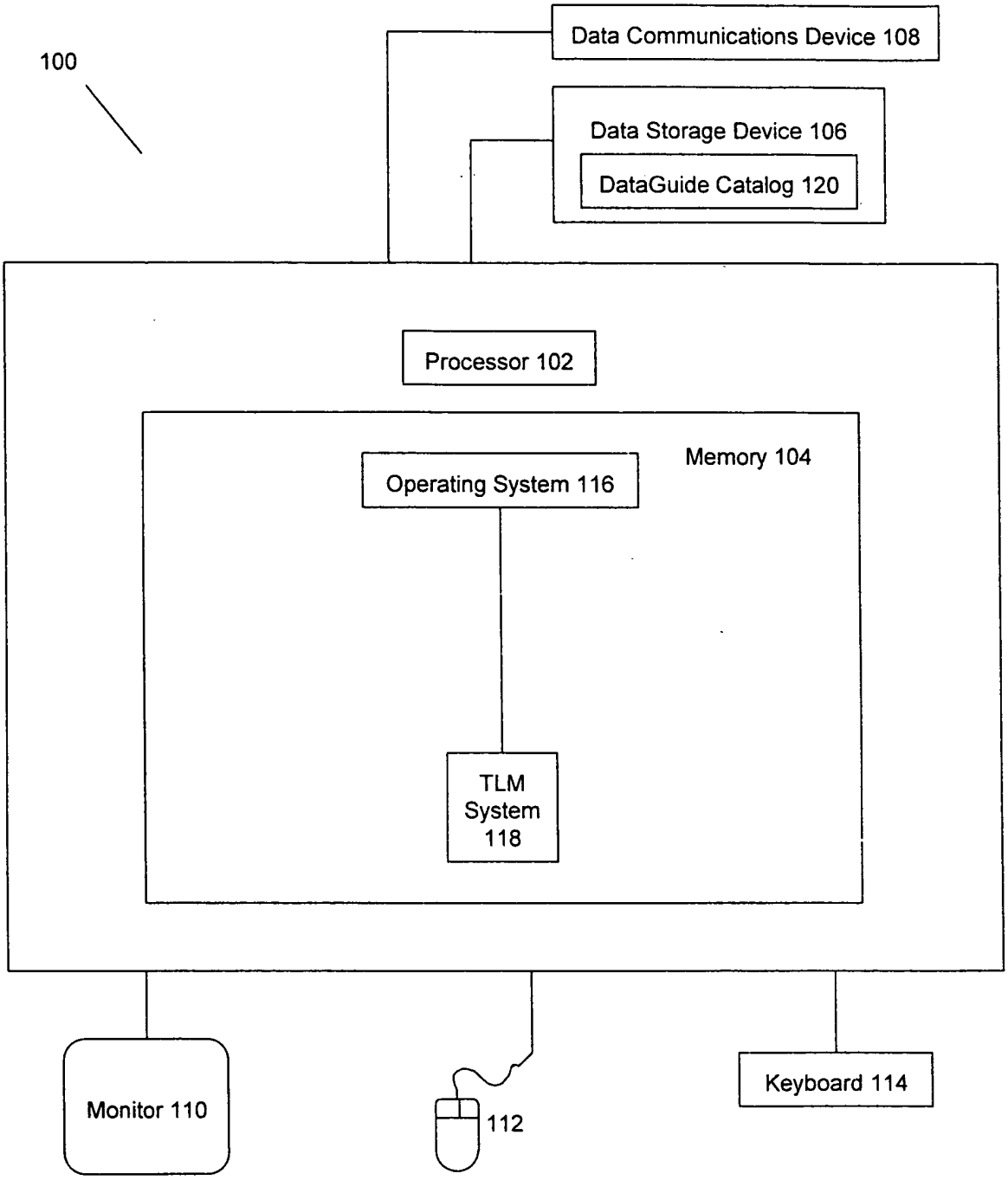
FIG. 1


100
Data Communications Device 108
Data Storage Device 106
DataGuide Catalog 120
Processor 102
Memory 104
Operating System 116
TLM System 118
Monitor 110
112
Keyboard 114

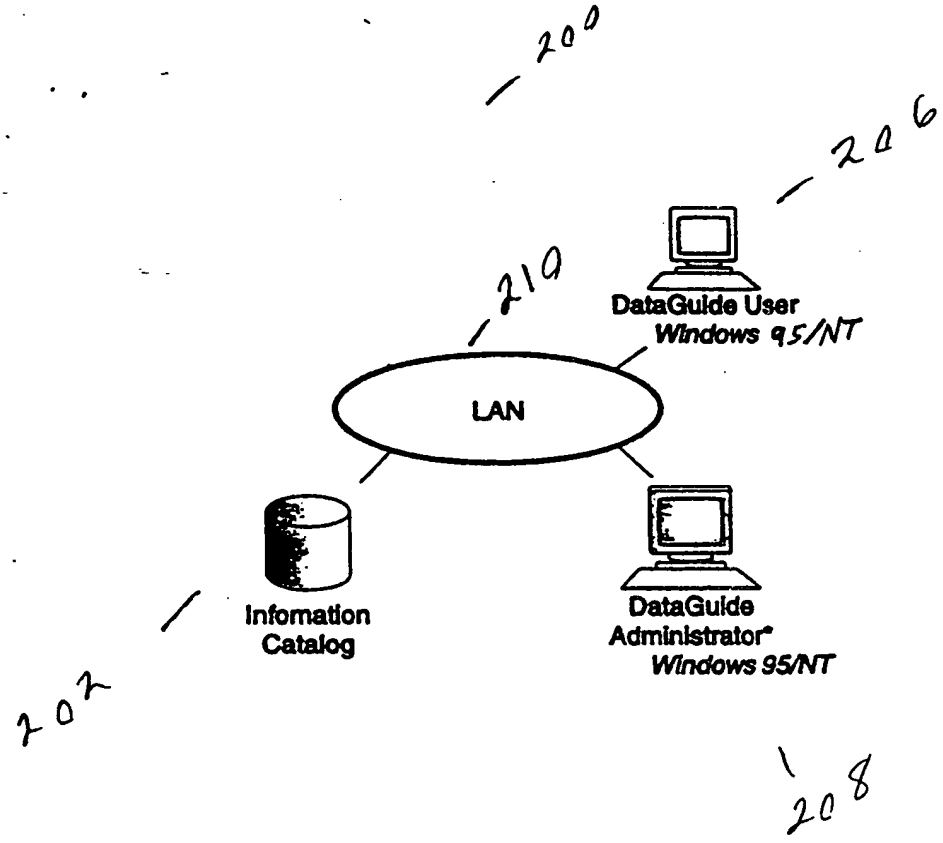


FIG. 2

DOCUMENT - 2002

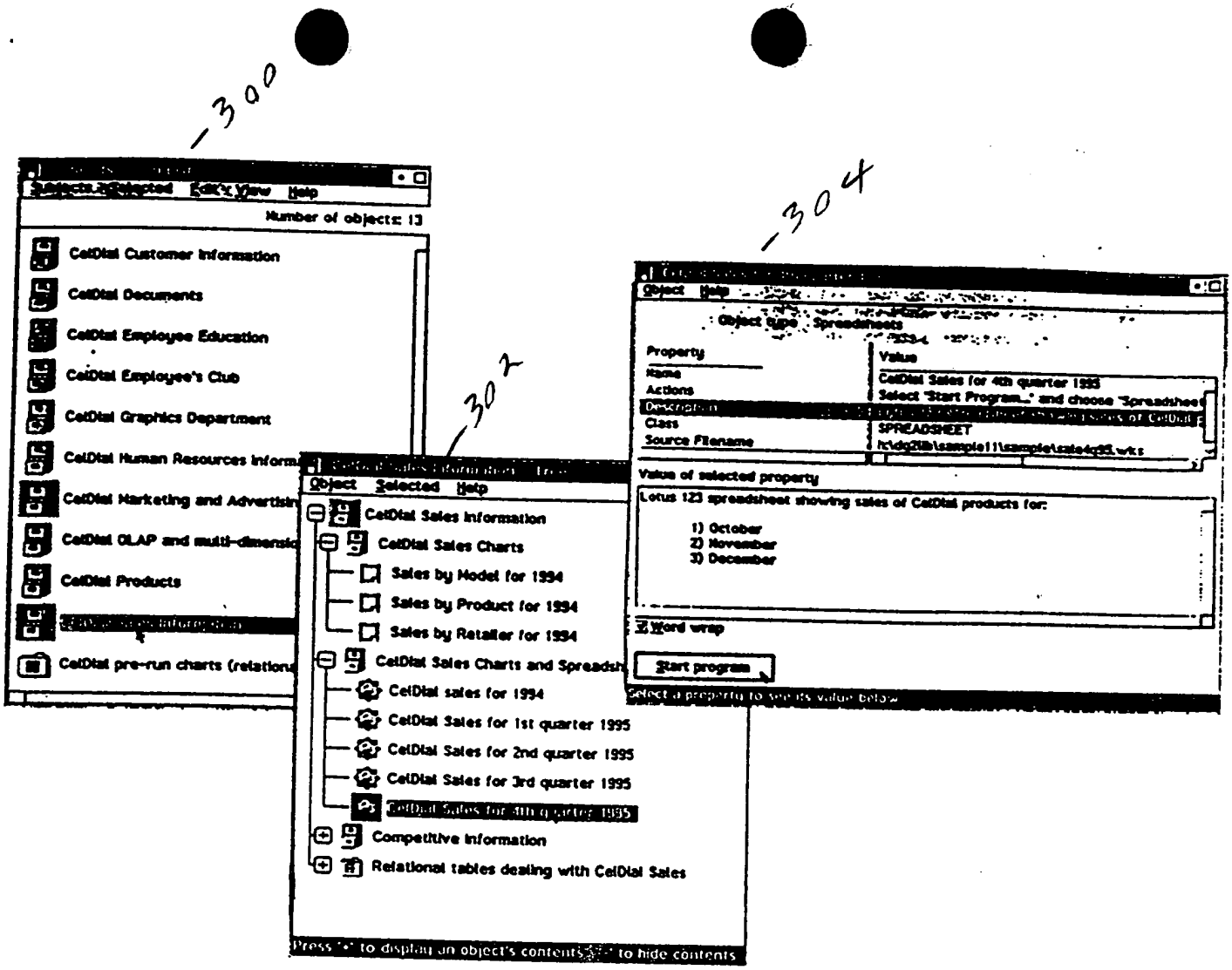

300
304
307
Number of objects: 13
CelDial Customer Information
CelDial Documents
CelDial Employee Education
CelDial Employee's Club
CelDial Graphics Department
CelDial Products
CelDial pre-run charts (relations
Object Selected Help
CelDial Sales Information
CelDial Sales Charts
Sales by Model for 1994
Sales by Product for 1994
Sales by Retailer for 1994
CelDial Sales Charts and Spreadsh
CelDial sales for 1994
CelDial Sales for 1st quarter 1995
CelDial Sales for 2nd quarter 1995
CelDial Sales for 3rd quarter 1995
Competitive Information
Relational tables dealing with CelDial Sales
Object Help
Object type: Spreadsheets
Property
Value
Name
Actions
Class
SPREADSHEET
Source Filename
Value of selected property
Lotus 123 spreadsheet showing sales of CelDial products for:
1) October
2) November
3) December
Word wrap
Start program

FIG. 3

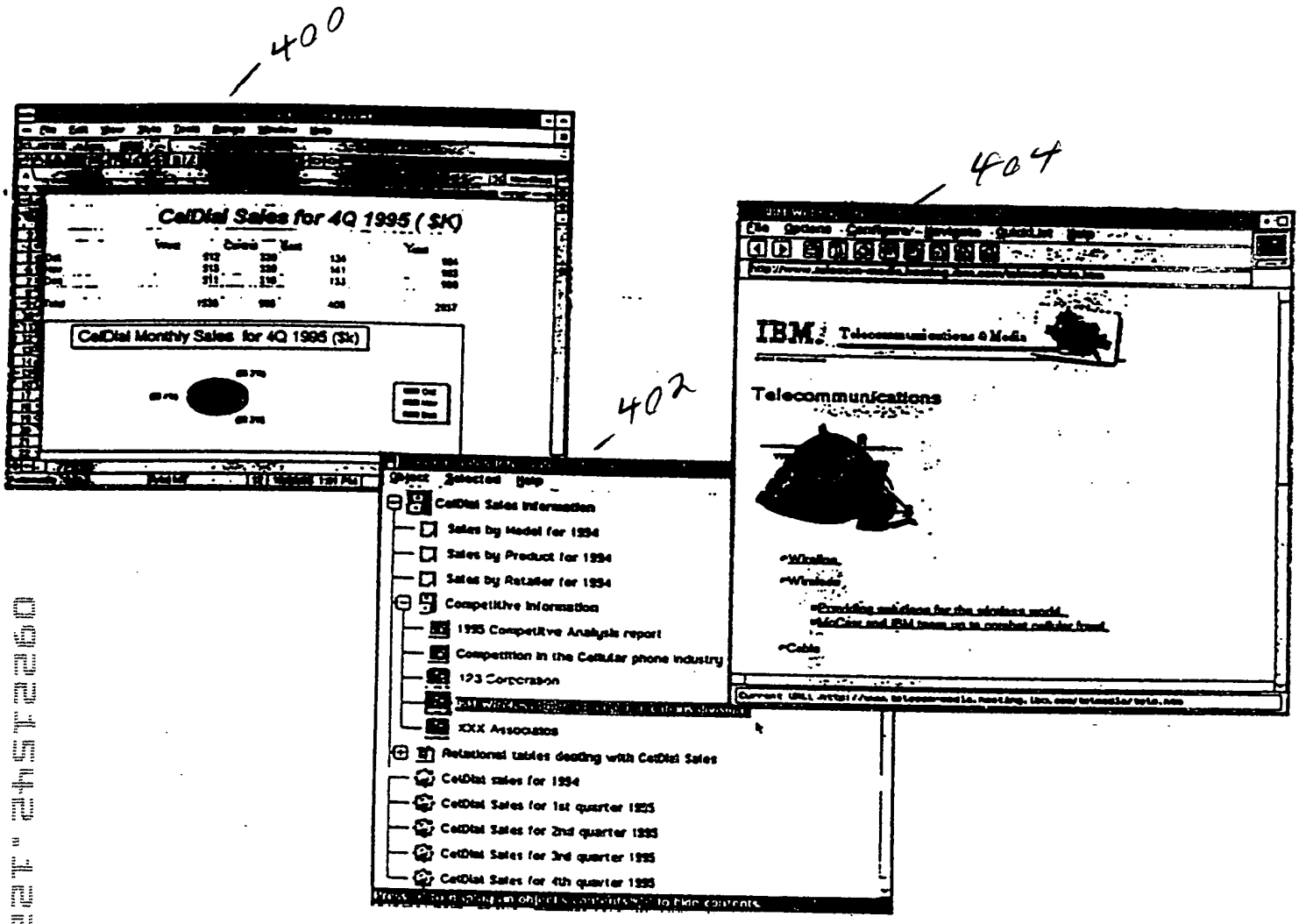

400
CelDial Sales for 4Q 1995 ($K)
CelDial Monthly Sales for 4Q 1995 ($k)
402
CelDial Sales Information
Sales by Model for 1994
Sales by Product for 1994
Sales by Retailer for 1994
Competitive Information
1995 Competitive Analysis report
Competition in the Cellular phone industry
123 Corporation
XXX Associates
Relational tables dealing with CelDial Sales
CelDial sales for 1994
CelDial Sales for 1st quarter 1995
CelDial Sales for 2nd quarter 1995
CelDial Sales for 3rd quarter 1995
CelDial Sales for 4th quarter 1995
404
IBM Telecommunications & Media
Telecommunications
•Wireless
•Cable

FIG. 4

FIG. 5

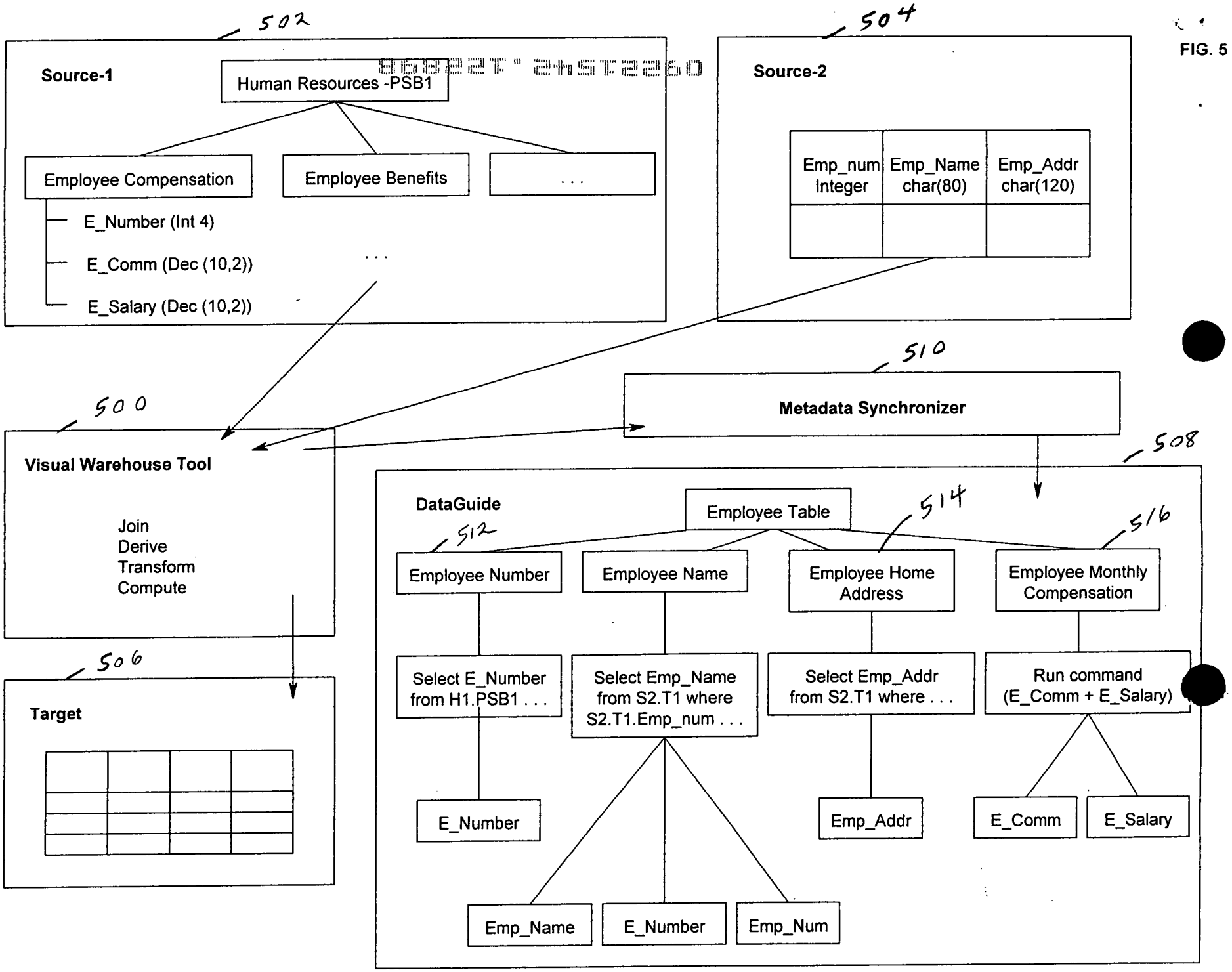
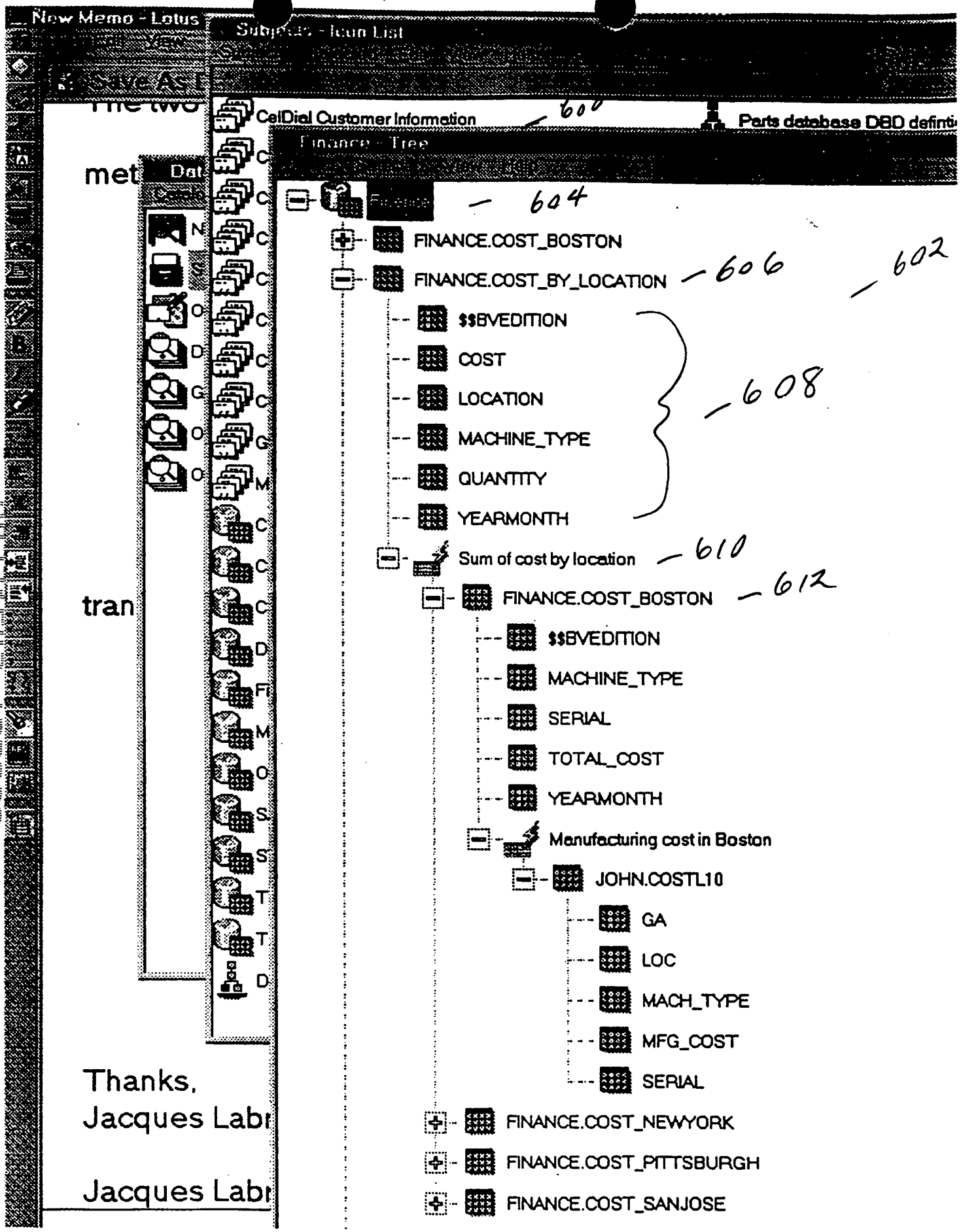

502
Source-1
Human Resources -PSB1
Employee Compensation
Employee Benefits
. . .
E_Number (Int 4)
E_Comm (Dec (10,2))
E_Salary (Dec (10,2))
504
Source-2
Emp_num Integer
Emp_Name char(80)
Emp_Addr char(120)
510
Metadata Synchronizer
500
Visual Warehouse Tool
Join
Derive
Transform
Compute
508
DataGuide
Employee Table
512
514
516
Employee Number
Employee Name
Employee Home Address
Employee Monthly Compensation
Select E_Number from H1.PSB1 . . .
Select Emp_Name from S2.T1 where S2.T1.Emp_num . . .
Select Emp_Addr from S2.T1 where . . .
Run command (E_Comm + E_Salary)
E_Number
Emp_Addr
E_Comm
E_Salary
Emp_Name
E_Number
Emp_Num
506
Target

FIG. 6


New Memo - Lotus
Subject: - Icon List
Save As
CelDial Customer Information
600
Parts database DBD definiti
Finance - Tree
met
Dat
tran
Thanks,
Jacques Labr
Jacques Labr
604
FINANCE.COST_BOSTON
FINANCE.COST_BY_LOCATION
606
602
$$BVEDITION
COST
LOCATION
MACHINE_TYPE
QUANTITY
YEARMONTH
608
Sum of cost by location
610
FINANCE.COST_BOSTON
612
$$BVEDITION
MACHINE_TYPE
SERIAL
TOTAL_COST
YEARMONTH
Manufacturing cost in Boston
JOHN.COSTL10
GA
LOC
MACH_TYPE
MFG_COST
SERIAL
FINANCE.COST_NEWYORK
FINANCE.COST_PITTSBURGH
FINANCE.COST_SANJOSE

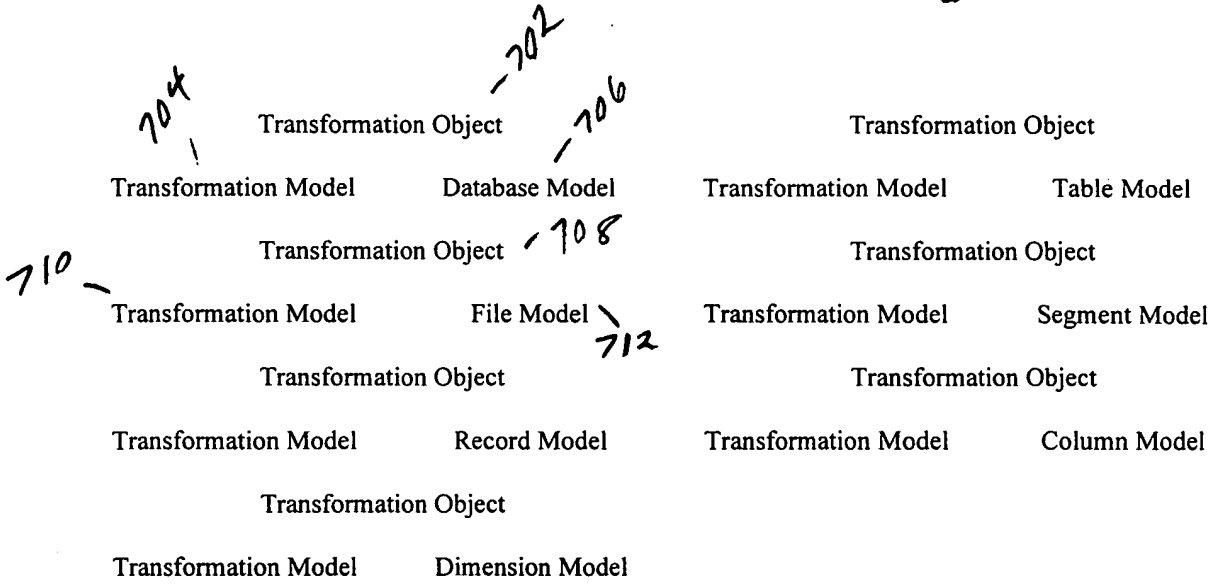
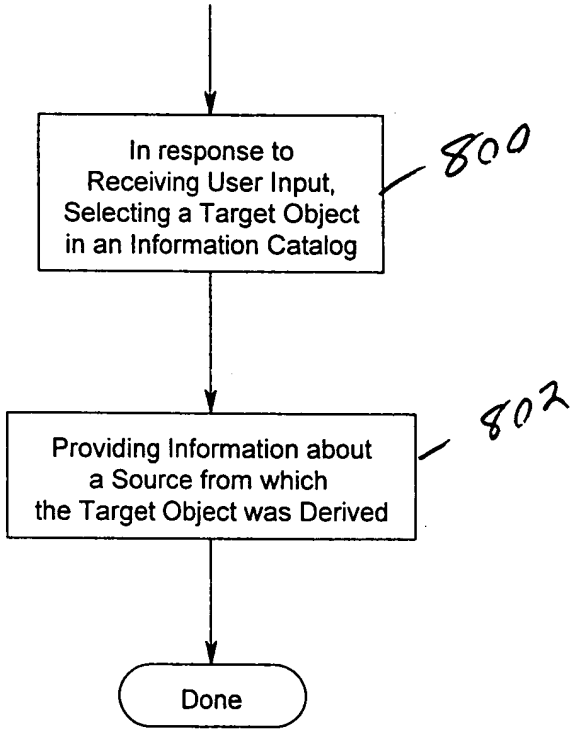


FIG. 7

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FIG. 8


In response to Receiving User Input, Selecting a Target Object in an Information Catalog
800
Providing Information about a Source from which the Target Object was Derived
802
Done